

## Abstract of the Disclosure

[0051] The subject application provides methods and materials useful for the transformation of eukaryotic cells, particularly plant cells. More specifically, the subject invention provides materials and methods for eliminating selectable marker genes from transformed cells. In a preferred embodiment, the subject invention provides methods for removing both positive and negative selectable marker genes from plant cells after a gene of interest has been introduced into the plant cells. The methods of the subject invention are applicable to any gene of interest, in any plant species that can be transformed.